



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: :
Chen : Art Unit: 3672
AN 09/833,016 : Examiner: Hoang Dang
Filed: 04/10/2001 : Atty's Docket: SC-98-25A
For: Force-Balanced Roller-Cone Bits, Systems, Drilling Methods, and
Design Methods (conf.no.1340)

#14 Supple
Amatt P.
ER
H. H. H.
4/25/03

AMENDMENT COPYING CLAIMS

Honorable Commissioner of Patents and Trademarks
Washington, DC 20231

Sir:

Applicants are still attempting to provoke an interference. The following amendment is intended to conform the claims in the present application to copy numerous claims from US application 09/635116. (This is one of the continuation applications earlier disclosed to the Examiner.)

RECEIVED

APR 22 2003

GROUP 3600

04/21/2003 SMINASS1 00000106 09833016

| | |
|------------|-----------|
| 01 FC:1201 | 504.00 OP |
| 02 FC:1202 | 126.00 OP |



Cleveland
Columbus
Dallas
Dayton
Irvine
Los Angeles

ARTER & HADDEN

ATTORNEYS AT LAW

founded 1843

1717 Main Street, Suite 4100

Dallas, Texas 75201-4605

telephone 214.761.2100

facsimile 214.741.7139

3672
✓
San Diego
San Francisco
Washington, D.C.
Woodland Hills
Affiliate Office
Geneva, Switzerland

Robert Groover III, Reg'd Patent Att., 214-761-4410

April 14, 2003

Commissioner of Patents
Washington DC 20231

Re: Patent App'n SN

09/833,016 filed 04/10/2001,

of Chen, entitled "Force-
Balanced Roller-Cone Bits,
Systems, Drilling Methods, and

Design Methods" (Atty Docket No. SC-98-25 C1 (78017/24283))

I certify that this correspondence, including the attachments listed,
is being deposited with the United States Postal Service as First
Class Mail in an envelope addressed to Commissioner of Patents
and Trademarks, Washington DC 20231, on the date shown below.

04/14/2003

Date of Mailing

Elizabeth Ham
Signature

Honorable Commissioner:

Enclosed is an Amendment in connection with the U.S. Patent Application referenced
above. The correct amount of fee is believed to be as follows. A check for this amount is
enclosed.

FEE CALCULATION

| | Number After <u>Amendment:</u> | Highest Previously <u>Paid:</u> | = | Number Excess | | Fee: |
|--|--------------------------------------|---------------------------------------|---|------------------|-------|--------------|
| Independent: | <u>9</u> | <u>3</u> | = | <u>6</u> | @\$84 | = \$504 |
| <u>Total:</u> | <u>17</u> | <u>20</u> | = | <u>0</u> | @\$18 | = \$ 0 |
| Total Fee for Claims Presented herewith: | | | | | | <u>\$504</u> |
| <u>Total Fee:</u> | | | | | | <u>\$504</u> |

Respectfully submitted,

Robert Groover, Reg. No. 30,059

RECEIVED

APR 22 2003

GROUP 3600